

EPA Tracked Sites in Illinois with Photovoltaic (PV) Policy Driven Solar Energy Generation Potential

Solar Resource

kWh/m²/day

< 3.5

> 3.5 - 4

> 4 - 5

> 5 - 6

> 6

Resource
Potential

Moderate

Good

Very Good

Excellent

EPA Tracked Sites

- Abandoned Mine Land
- Brownfield
- RCRA
- Federal Superfund
- Non-Federal Superfund
- Landfill

PV Type

- ▲ PV Policy Driven Only

Site Characteristics

Resource availability:

- PV policy driven: State has a RPS that promotes solar development; no sites are excluded based on resource availability

Distance to transmission lines of 10 miles or less

Property size of 40 acres or more

Distance to graded roads of 25 miles or less

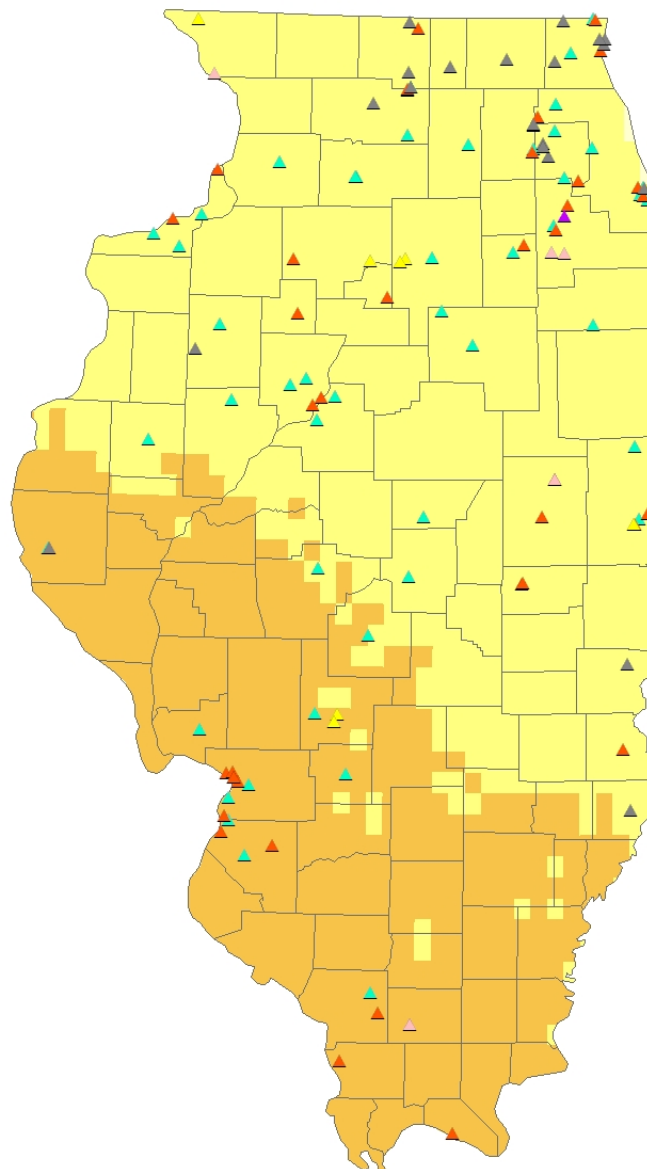
Number of sites

40 to 100 acres: 35 sites

100 to 200 acres: 29 sites

Greater than 200 acres: 56 sites

Total: 120 sites; 67,423 acres

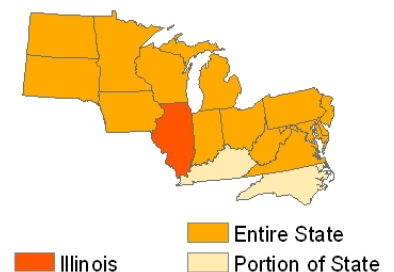


Quick Facts on State Solar Energy Policy as of December 2009

A state renewable portfolio standard (RPS) that includes a solar set-aside requires a percentage of the state's electricity be generated from solar resources. An RPS can also include a solar multiplier that gives additional credit in meeting the RPS for solar projects or require an increase in distributed generation (i.e., electricity generation close to the point of use), which can spur solar development. Policy driven demand for electricity generated from solar resources may increase the viability of PV solar generation at a site that would otherwise not be considered viable based on solar resource availability.

RPS Requirement	25% by 2025
Solar Set-Aside Requirement	1.5% by 2025
Solar Multiplier	N/A
Distributed Generation Requirement	N/A
Installed PV Solar Capacity (2008)	2.8 MW
Average Solar Renewable Energy Credit (1 MWh)	Not readily available
Average Electricity Tariff for 2007 (1 kWh)	\$0.0846

To partially meet its RPS requirement, IL can purchase solar renewable energy credits from entire states or a portion of states as shown in the map below.



This map was developed by SRA International for the U.S. Environmental Protection Agency (EPA) OSWER Center for Program Analysis. Results are based on site screening criteria adapted from National Renewable Energy Laboratory (NREL) criteria, GIS data provided by NREL and EPA and policy data provided by the Database of State Incentives for Renewables & Efficiency (DSIRE). This map and its associated data are intended to provide a general understanding of the renewable energy potential of EPA tracked sites; **additional site-specific technical and economic analysis is required to determine the actual energy generation potential of these sites.** For further information, please see the accompanying Data Guidelines document at www.epa.gov/renewableenergyland or contact cleanenergy@epa.gov.

